

,

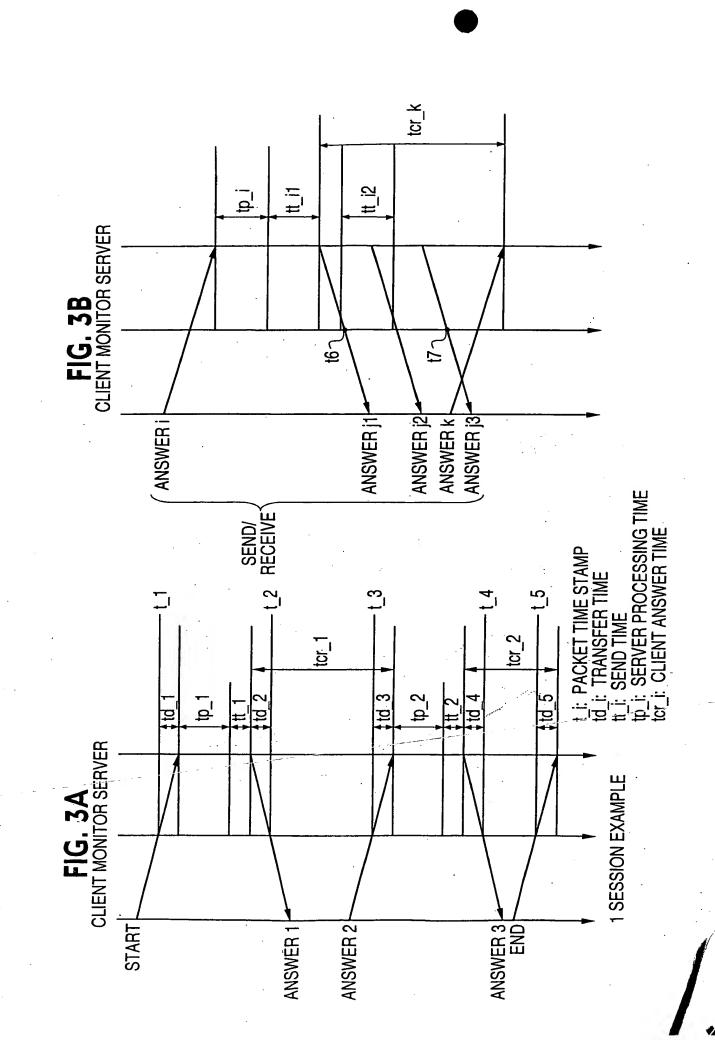
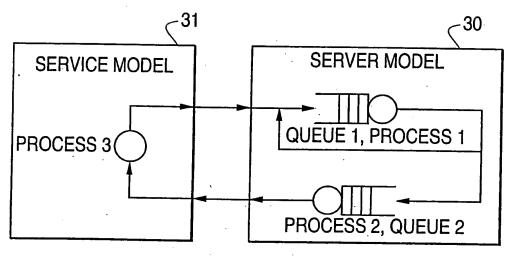


FIG. 4



SIMULATION MODEL (1 SERVICE, 1 SERVER)

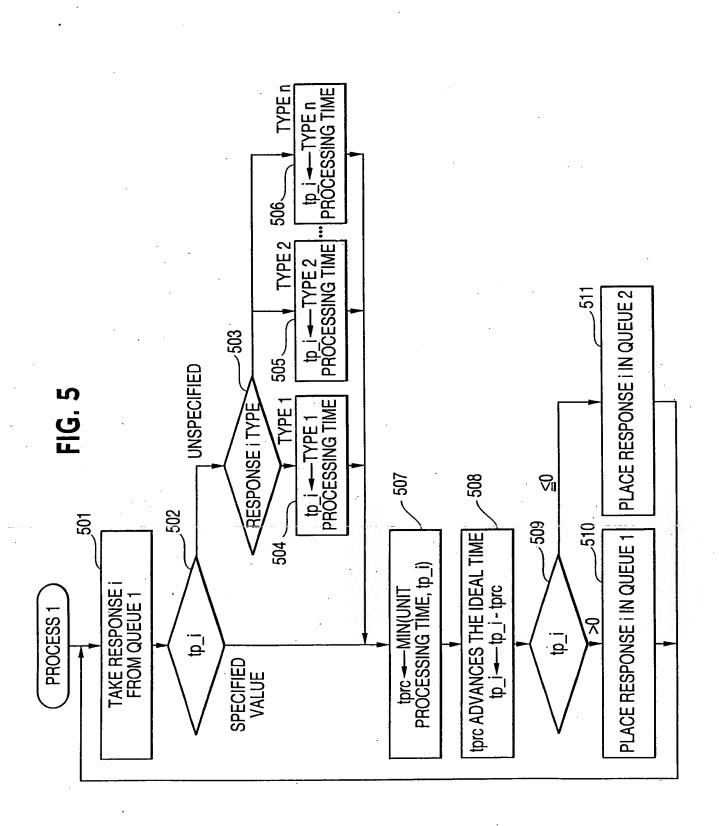
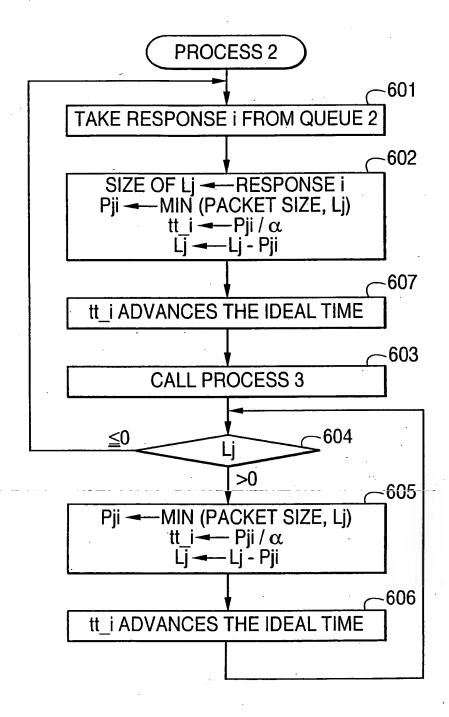


FIG. 6



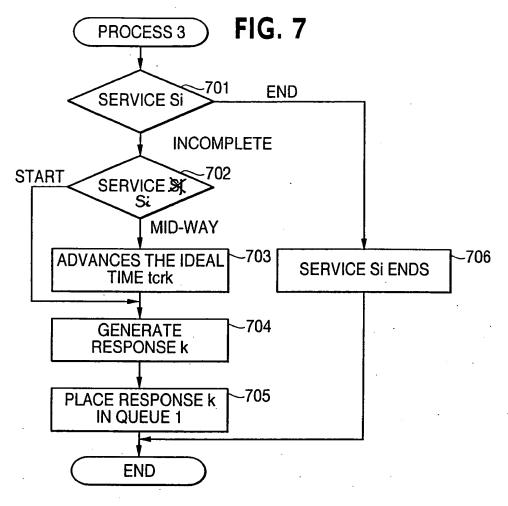
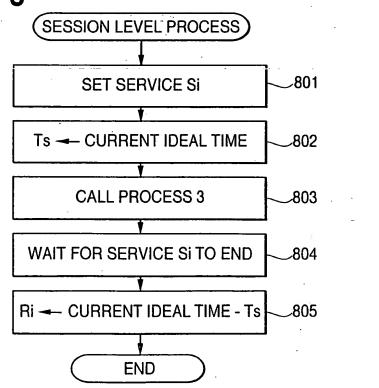
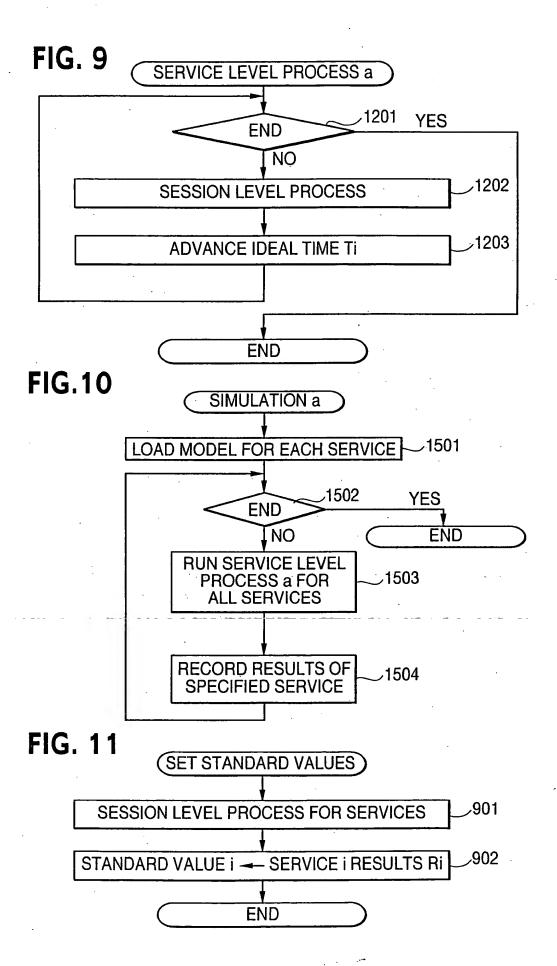
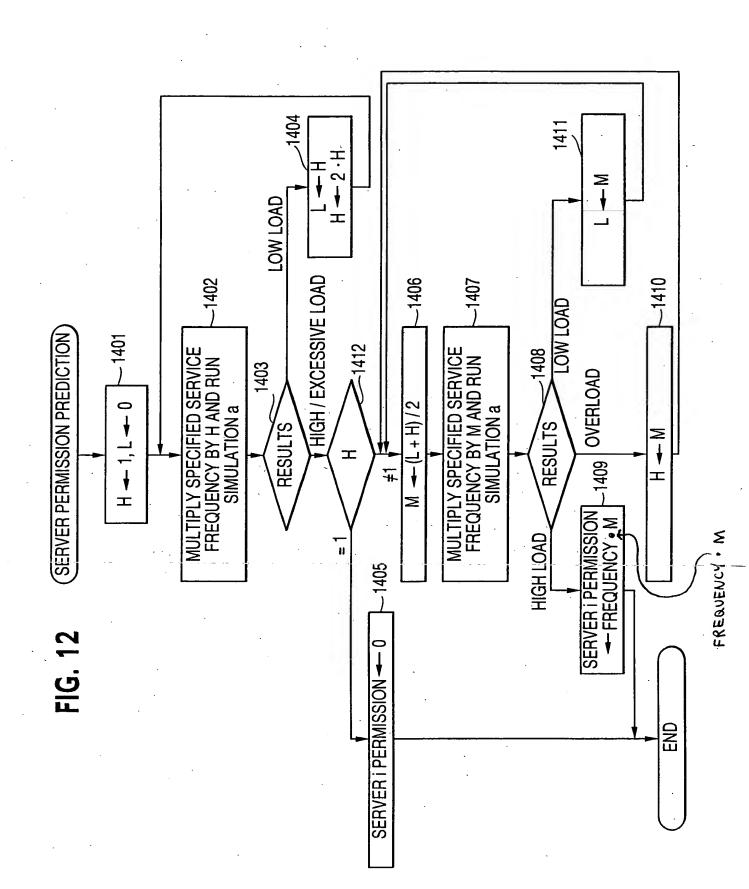


FIG. 8







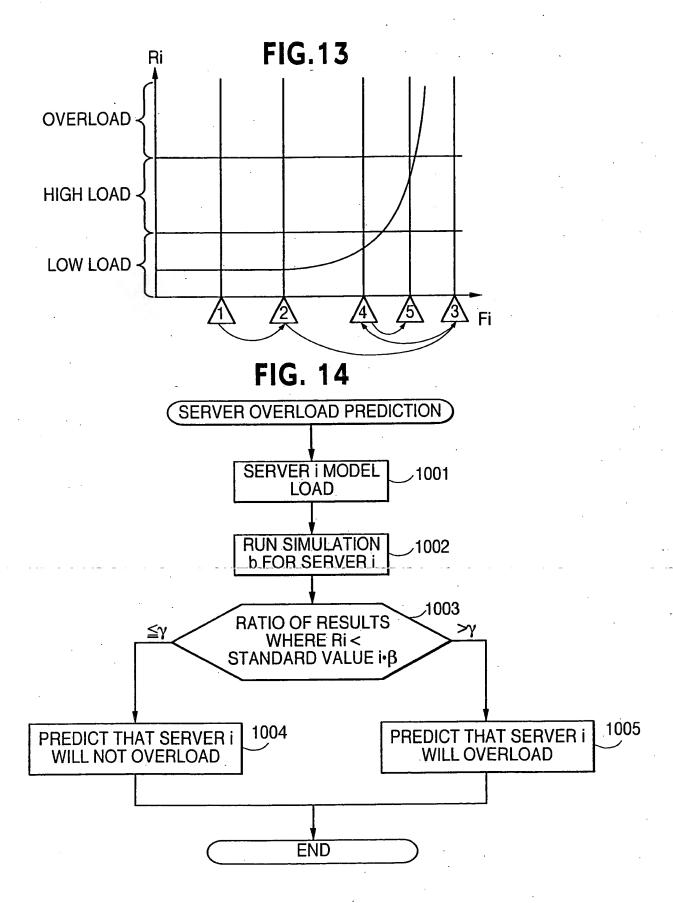


FIG. 15

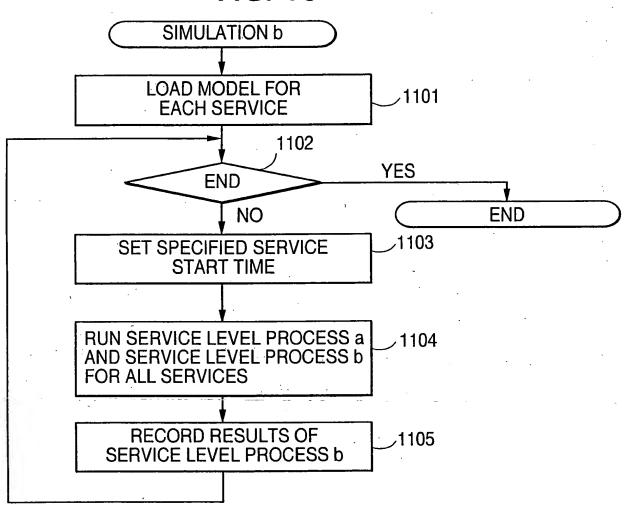


FIG. 16

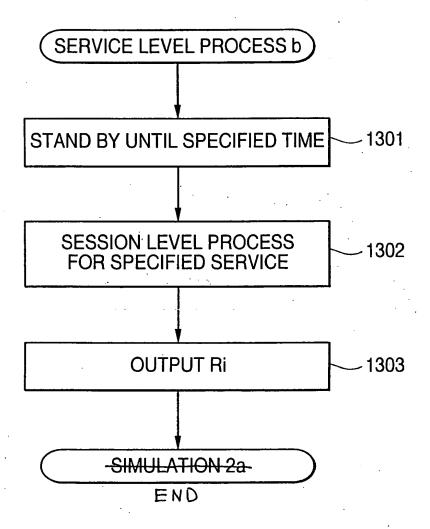


FIG. 17 SERVER QUERY 21ر SERVER SELECTION MODULE SERVICE SERVER QUERY SPECIFICATION VALUE OF RESULT 20 **SIMULATOR** SERVICE SERVER MODEL MODEL 16 SERVICE MODELING SERVER MODELING 18ر **MODULE** MODULE SERVICE SERVER LOG LOG 13 12 LOAD DISTRIBUTION SERVICE IDENTIFIER SERVER IDENTIFIER **DEVICE PACKET** 40 ر **RELAY DEVICE** SERVER-SIDE **NETWORK NETWORK** FIG. 18 **LOW LEVEL PROCESS** SERVER MODEL PROCESS/ SERVICE MODEL PROCESS (FIGS. 5, 6 AND 7) SESSION LEVEL PROCESS (FIG. 8) SERVICE LEVEL PROCESS (FIGS. 9 AND 16) SIMULATION PROCESS (FIGS. 10 AND 15) SERVER OVERLOAD PREDICTION PROCESS/ SERVER PERMISSION PREDICTION PROCESS HIGH (FIGS. 12 AND 14) LEVEL PROCESS